

Converting Colors

XYZ(20.7962, 22.1515, 29.7219)

Have a look what the booklet for
XYZ(20.7962, 22.1515, 29.7219)
contains.

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Color

**XYZ(20.7581, 22.1682,
29.5704)**

Conversions

Conversions Part 1

Format	Color
Hex	778390
RGB	119, 131, 144
RGB Percent	47%, 51%, 56%
CMY	0.5333, 0.4863, 0.4353
CMYK	0.17, 0.09, 0.00, 0.44
HSL	211°, 10%, 52%
HSV	211°, 17%, 56%
XYZ	20.7581, 22.1682, 29.5704
YIQ	128.8940, -11.3250, 1.4990

Conversions

Conversions Part 2

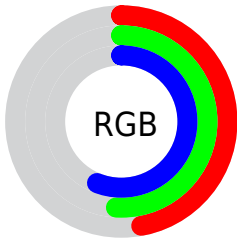
Format	Color
R_{YB}	119, 127, 144
Decimal	7832464
CIE _{Lab}	54.21, -1.50, -8.47
CIE _{LCh}	54, 8.607, 259.952
Yxy	22.1682, 0.2863, 0.3058
Android (android.graphics.Color)	4286022544 (0xFF778390)
YUV	128.8940, 7.4473, -8.6770
Hunter-Lab	47.0831, -3.6980, -4.2787

Details

The XYZ color **20.7581, 22.1682, 29.5704** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.0828, 23.7636, 20.8234**, and the grayscale version is **20.8073, 21.8909, 23.8392**.

A 20% lighter version of the original color is **44.1281, 47.0161, 60.1753**, and **7.5635, 8.1448, 11.7631** is the 20% darker color. If you saturate the color by 10%, you get **17.9602, 19.2871, 29.1621**, and if you desaturate by 10%, it is **23.9294, 25.3508, 30.0179**.

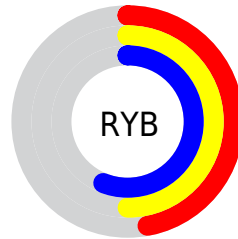
Distribution



Red (47%)

Green (51%)

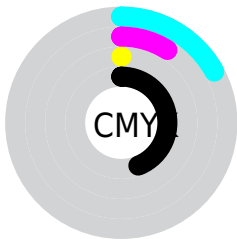
Blue (56%)



Red (47%)

Yellow (50%)

Blue (56%)

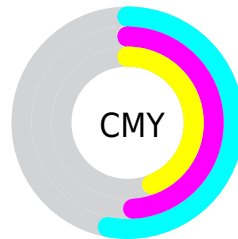


Cyan (17%)

Magenta (9%)

Yellow (0%)

Black (44%)



Cyan (53%)

Magenta (49%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7581, 22.1682, 29.5704 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.7581, 22.1682, 29.5704 by changing the saturation by 10% instead.

■ 20.7581, 22.1682,
29.5704

■ 20.7581, 22.1682,
29.5704

248.7462,
263.4234, 314.0416

■ 13.0587, 13.9805,
19.2635

■ 44.1789, 47.0238,
60.0351

■ 7.5463, 8.1071,
11.6821

■ 60.6311, 64.4606,
81.0299

■ 3.8554, 4.1636,
6.4077

■ 80.7316, 85.7492,
106.4244

■ 1.6206, 1.7655,
3.0218

104.8457,
111.2740, 136.6372

■ 0.4058, 0.4655,
1.1058

133.3389,
141.4195, 172.0868

■ 0.0000, 0.0000,
0.0000

166.5765,

176.5699, 213.1916

204.9238,
217.1097, 260.3704

■ 20.7581, 22.1682,
29.5704

■ 20.7581, 22.1682,
29.5704

■ 17.9602, 19.2871,
29.1621

■ 23.9294, 25.3508,
30.0179

■ 15.5189, 16.6949,
28.7904

■ 27.4863, 28.8417,
30.5043

■ 13.4188, 14.3819,
28.4547

■ 31.4427, 32.6508,
31.0310

■ 11.6424, 12.3367,
28.1535

■ 35.8112, 36.7866,
31.5990

■ 10.1709, 10.5469,
27.8856

■ 40.6040, 41.2574,
32.2093

■ 8.9829, 8.9991,
27.6495

■ 45.8325, 46.0711,
32.8629

■ 8.0542, 7.6779,
27.4434

■ 51.5079, 51.2354,
33.5606

■ 7.3418, 6.5584,
27.2649

■ 57.6408, 56.7576,
34.3032

■ 7.1704, 6.2861,
27.2214

■ 64.2416, 62.6449,
35.0917

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.9345, 22.1682, 28.2972



20.7581, 22.1682, 29.5704



21.6897, 22.1682, 29.3078

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.7581, 22.1682, 29.5704



22.8057, 22.1682, 22.4228



19.7237, 22.1682, 20.9738

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.7581, 22.1682, 29.5704



23.0828, 23.7636, 20.8234

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.4627, 22.1682, 19.6140



20.7581, 22.1682, 29.5704



22.2483, 22.1682, 20.4066

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.7581, 22.1682, 29.5704



22.8905, 22.1682, 25.0469



21.3854, 22.1682, 19.4143



19.3491, 22.1682, 23.2502

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.7581, 22.1682, 29.5704



22.2459, 22.1682, 28.3034



21.3854, 22.1682, 19.4143



19.9367, 22.1682, 20.4017

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.7588, 22.1691, 29.5709



43.5616, 46.0545, 53.1315



21.7406, 25.5325, 25.5827



9.9021, 10.4748, 12.1722



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7588, 22.1691, 29.5709



34.5265, 36.9690, 51.8540



19.2963, 19.1592, 29.0670



5.3298, 5.6554, 6.8395



6.2673, 5.5206, 23.7123



0.0818, 0.0965, 0.2340

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.1957, 20.7621, 24.3115



37.5959, 34.0903, 40.5911



24.7324, 27.1707, 21.3941



5.5099, 5.4645, 6.1834



10.9666, 5.5436, 5.4753



0.1159, 0.0574, 0.1104

Previews

White Background



This preview shows how the XYZ color 20.7581, 22.1682, 29.5704 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.7581, 22.1682, 29.5704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

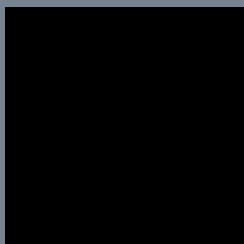
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

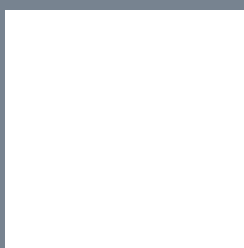
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7581, 22.1682, 29.5704

Background



This preview shows how black text looks on a background with the XYZ color 20.7581, 22.1682, 29.5704.



This preview shows how white text looks on a background with the XYZ color 20.7581, 22.1682,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.7581, 22.1682, 29.5704

Protanopia

21.6348, 22.2427, 28.7442

Deuteranopia

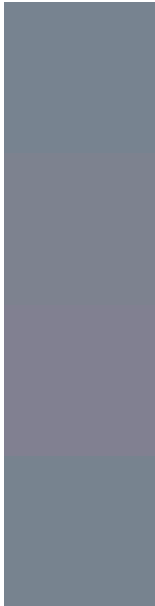
22.5634, 22.1169, 29.8678



Tritanopia

20.6065, 22.1075, 28.7723

Trichromacy



Original Color

20.7581, 22.1682, 29.5704

Protanomaly

21.3980, 22.3084, 29.1648

Deuteranomaly

21.8833, 22.1498, 29.9100

Tritanomaly

20.6820, 22.1377, 29.1695

Monochromacy



Original Color

20.7581, 22.1682, 29.5704

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7432, 22.0465, 25.7164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7581, 22.1682, 29.5704 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(119, 131, 144)` looks like.

```
.text, #text, p{  
    color:rgb(119, 131, 144)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(119, 131, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 131, 144) }
```

Border

The CSS property to change the border of an element to XYZ 20.7581, 22.1682, 29.5704 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 131, 144) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(119, 131, 144) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(119, 131, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 131, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 131, 144);  
box-shadow:4px 4px 4px 4px rgb(119, 131,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7581, 22.1682, 29.5704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 131, 144) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(119,  
131, 144) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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